

Well No.: NBU 10-W23  
Permit No.: 06S1264P6273  
Inventory No. 0S 6273.043

ENVIRONMENTAL PROTECTION AGENCY  
Underground Injection Control Program

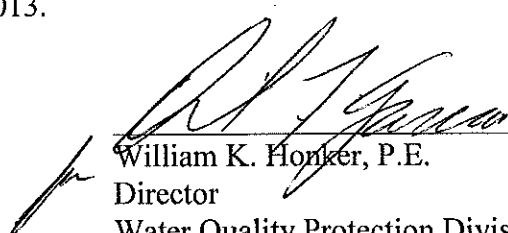
OSAGE MINERAL RESERVE  
Authorization to Inject

Chaparral Energy, L.L.C. is hereby authorized to begin injection and operate NBU 10-W23 well, (Inventory No. 0S 6273.043) located at 0890' FSL, 0730' FEL, NE/4, Sec. 11, T 27N, R 5E, as a Class II injection well. The permittee is authorized to inject salt water, polymer, carbon dioxide, and minor amounts of fresh or brackish water for enhanced oil recovery.

Conversion of the well identified herein was authorized by Permit No. 06S1264P6273, dated April 3, 2012. This Authorization to Inject is hereby made a part of the referenced permit.

All requirements and conditions prescribed under Permit No. 06S1264P6273 and any modification apply and remain in full force and effect during the effective period of this permit. The authorization is effective from the date entered below and shall remain in effect unless terminated.

Signed this 16th day of September, 2013.



William K. Honker, P.E.  
Director  
Water Quality Protection Division  
Environmental Protection Agency  
Region 6